



US Army Corps
of Engineers
Huntington District

Marmet Locks and Dam Replacement Project

February 2004 Issue No. 4

Because the U. S. Army Corps of Engineers wants to keep the citizens of Belle, W.Va. up-to-date on activities during construction of the replacement lock at Marmet locks and dam, the Marmet Newsletter will now be published monthly. This newsletter will provide information on current and future activities throughout the construction of the replacement lock to those who expressed an interest in receiving the newsletter from previous editions.

If you know someone who would like to receive future copies, complete the form on the back page and return to Mike Keathley, U.S. Army Corps of Engineers, 502 Eighth Street, Huntington, WV 25701-2070 OR send the information by email to Michael.Keathley@lrh01.usace.army.mil.

Work Restrictions

In an effort to reduce impacts of the construction, the Corps has implemented a number of work restrictions including:

- No on-site burning. Government modified contract to require all construction debris be transported to a landfill.
- Limited use of vibratory rollers in upstream work area.
- No jackhammers/hoe-ram on second shift upstream of the cofferdam.
- Pre-construction surveys made available to all structures adjacent to work area.
- Use of rubber-tired equipment required to move supplies from upstream areas to downstream area.

Who to contact for information

Mike Keathley, Project Manager.....304-399-5864
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Construction Activities

by Kokosing Fru-Con

Prior to Oct.1, 2003, approximately \$40 million of construction was put in place at the Marmet Lock Replacement Project. Construction this year will be an additional \$40 million, bringing the total earnings to date by the contractor to \$80 million. In this monthly column, we will keep you abreast of how we are doing and what is planned next.

Early February will see the restart of the upstream Guide Wall work. The guide wall shafts and nose cell are located adjacent to the rivers edge between West 17th Street and West 19th Street. Unless severe problems are encountered, this work will be conducted on day shift only.

Improved weather will allow the Project to complete the cofferdam and remove the last of the dirt which overlays the rock foundation for the new lock. This work will be conducted primarily between West 19th Street and the northern end of the Project. This critical work will require both a day and a night shift operation.

After some exploratory drilling to verify the previous subsurface investigations, the Project will begin the rock excavation necessary to key the new lock concrete into the bedrock. Much of the rock excavation will require very controlled drilling and blasting. The rock excavation will occur within the cofferdam area immediately adjacent to the existing Lock. Blasting will only be conducted during daylight hours. Transportation and disposal of the rock will require both day and night operations between West 19th street and the north end of the project.

Plan now to attend the March 25, 2004 Open House where the Project blasting and vibrations expert will be available to answer any questions.

Following closely behind the rock excavation will be the start of the concrete placements which will form the new lock. Again the work will be within the cofferdam adjacent to the existing lock. Day shift hours will be spent preparing for the concrete placement with most concrete placements occurring at night as the concrete must be kept as cool as possible.

Information Meeting

The Corps of Engineers and Marmet lock replacement contractor Kokosing Fru-Con will conduct an information workshop regarding the Marmet Lock replacement project, Thursday, March 25, 2004, at the office of Kokosing Fru-Con, located at 1901 West Dupont Avenue. The public is invited to stop by anytime between 4:00 p.m. and 7:30 p.m.

The workshop will provide information about the ongoing construction activities. With blasting scheduled to begin this spring, Kokosing Fru-Con will have a vibrations expert available to answer questions.

Representatives from the Corps and Kokosing Fru-Con will also be available to answer questions. As in the past, tours of the construction site will be offered.

For more information, contact Mike Keathley at 304-399-5864 or email Michael.Keathley@lrh01.usace.army.mil.

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☐ Yes, I would like to receive the Marmet Lock Replacement Project Newsletter.

☐ Remove my name from your mailing list

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ZIP _____

Community Relations

The Corps and Kokosing Fru-Con are working to improve our relationships with our neighbors.

■ The Corps will arrange for the removal of private fences adjacent to the property line to allow for installation of permanent fencing. This will allow the for easier maintenance.

■ Prior to construction, the Corps entered into contracts with all utility companies to relocate utilities outside the construction work area. One water line was inadvertently left in place and broken by the contractor resulting in disruption of service. This line has since been moved.

■ Kokosing Fru-Con developed ways to reduce the amount of lime dust generated from their lime operation. One way is to work at night when there is less wind to move the dust.

■ For the security and safety of the residents and businesses, boundary fencing has been installed around the construction site. Portions of this fence are still considered temporary, but will be replaced by permanent fencing in the future.



This photo shows the upstream arm of the cofferdam and its connection to the existing lockwall. The seven cells in the upstream cofferdam have connecting arcs that form a watertight structure. Each cell is about 62.5 feet in diameter and extends to bedrock some 40 feet below the upstream river level. The cofferdam will prevent water from entering the excavation area for the new lock.